

AMENDMENTS TO SPECIFICATION:

Please replace the paragraph which appears on page 8, line 20 and ends on page 9, line 4, with the following rewritten paragraph:

For sensing a voltage induced in the fluid, the flow sensor of Figs. 1 and 2 includes a sensor arrangement 3 mounted on the measuring tube 1. The sensor arrangement includes first and second measuring electrodes 31, 32. The measuring electrodes are rod-shaped, with first and second measuring electrode heads 311, 321 for the sensing of the aforementioned, induced voltage and with first and second measuring electrode shafts 312, 322, which serve for the connecting of the sensor arrangement to an evaluation electronics. The measuring electrodes 31, 32 can, as shown in Fig. 2, be galvanic measuring electrodes; they can, however, also be capacitive measuring electrodes. The carrier tube 11 is therefore additionally provided with third and fourth lateral openings [[115, 116]] 125, 126 for the seating of the measuring electrodes 31 and 32, respectively. The lateral surface openings [[115, 116]] 125, 126 have a width, which is greater than a greatest diameter of the respective measuring electrode shafts 312, 322. They have preferably the same form and lie preferably diametrically opposite one another, with a diameter of the carrier tube 11 connecting the lateral openings [[115, 116]] 125, 126 being perpendicular to a diameter of the carrier tube 11 connecting the lateral openings 113, 114. Of course, the measuring electrodes 31, 32 can, in case required, especially in the case of more than two measuring electrodes, be so arranged spaced from one another on the measuring tube 1, that they do not lie diametrically opposite one another. This is e.g. the case, when additional measuring electrodes are provided for reference potentials or in the case of horizontal installed orientation of the measuring tube 1, measuring electrodes for monitoring a minimum fill level of the fluid in the measuring tube 1.